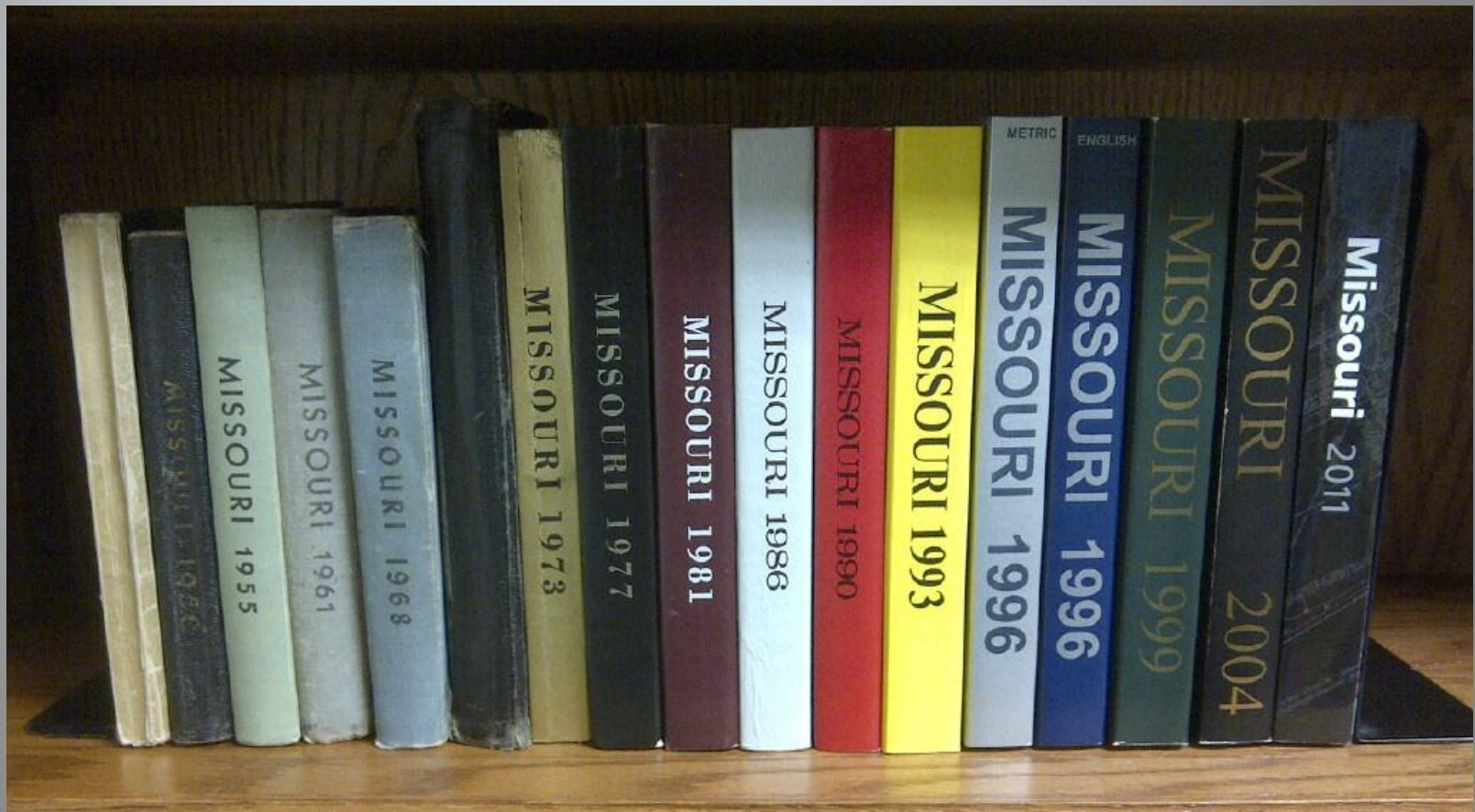




Capturing Innovation at the DOT

David Ahlvers
State Construction & Materials Engineer
Missouri Department of Transportation
October 3, 2014

Innovation Journey



Innovation Journey

Job No. J6S3075
Routes: Various
Various Counties

JOB SPECIAL PROVISIONS TABLE OF CONTENTS (ROADWAY)

(Job Special Provisions shall prevail over General Special Provisions whenever in conflict therewith.)

- A. General
- B. Contract Liquidated Damages
- C. Work Zone Traffic Management Plan
- D. Project Contact for Contractor/Bidder Questions
- E. Emergency Provisions and Incident Management
- F. Scope of Work
- G. System Inspection, System Testing, Acceptance and Coordination with the Gateway Guide Requirements
- H. Continuous Tracking Advance Detection System
- I. Serial to Ethernet Communication Unit
- J. Advance Detector Unit Mounting Options
- K. Continuous Tracking Advance Detection System Spare Parts
- L. Traffic Signal Maintenance and Programming
- M. Supplemental Revisions
- N. Modifications of Existing Cabinet Wiring
- O. Safety Plan
- P. Safety Requirements

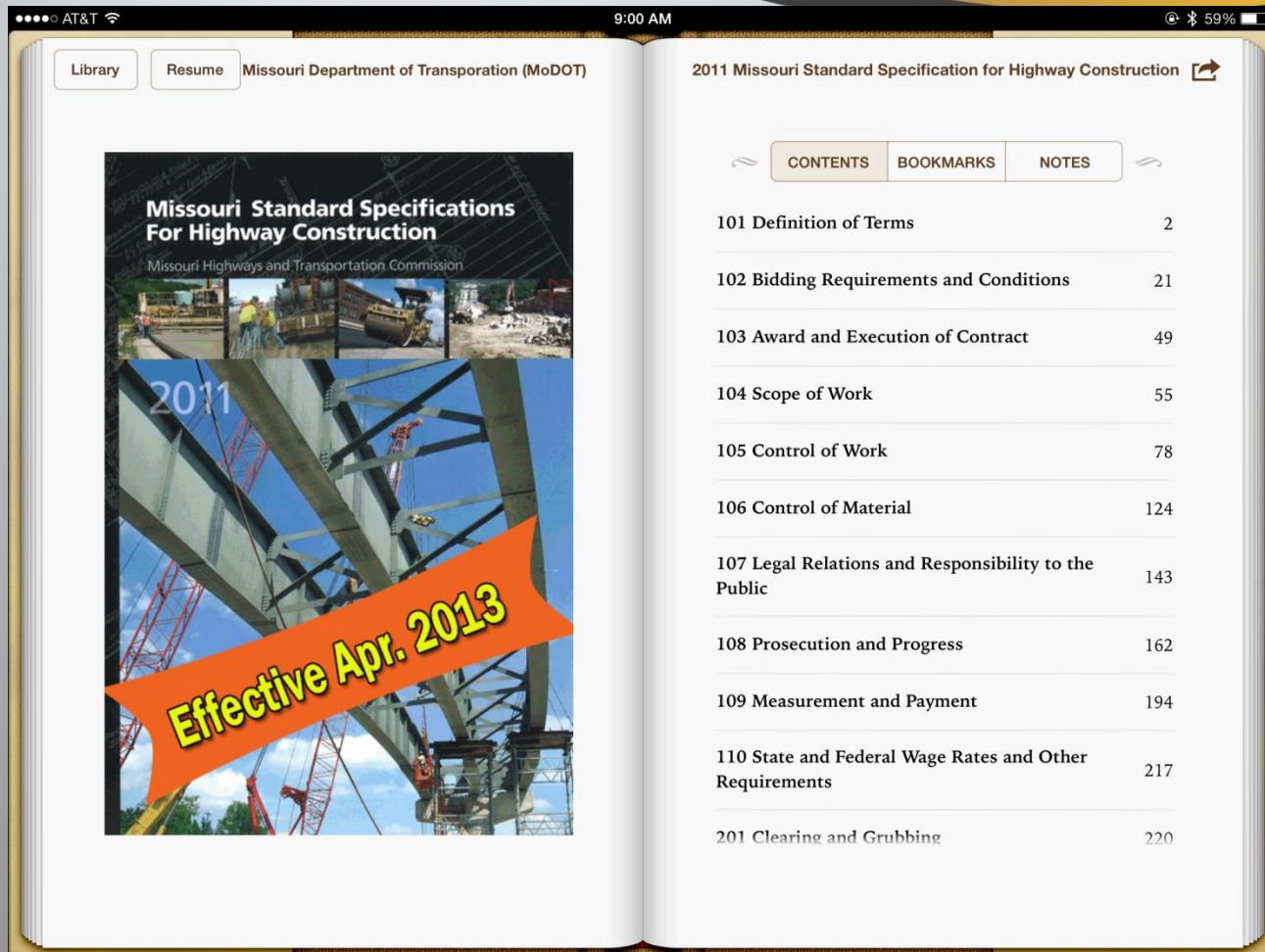
ADDITIONAL INFORMATION

Graphic Representation of Personal Protective Equipment
D-15 Equipment and Materials List

	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 W. CAPITOL AVE JEFFERSON CITY, MO 65102 Phone 1-888-275-6636
	Kaskaskia Engineering Group 208 East Main Street, Suite 100 Beleville, IL 62220 Certificate of Authority: 2006034987 Consultant Phone: 618-233-5677
EXPIRES: 12/31/2015	JOB NUMBER: J6S3075 VARIOUS COUNTIES, MO DATE PREPARED: 6/16/2014
Date: 6/16/2014	ADDENDUM DATE:
Only the following items of the Job Special Provisions (Roadway) are authenticated by this seal. All	



Innovation Journey



MoDOT Innovations

Structures

- Slide in bridge
- LRFD Drilled Shafts
- GRS Abutments



MoDOT Innovations

Asphalt

- Recycled Materials
- IC and Thermal Imaging
- Tack Coat



MoDOT Innovations

Safety

- Warning Devices
- High Friction Surface
- Safety Plan and Personal Protective Equipment



MoDOT Innovations

Concrete

- Recycled Concrete Aggregate
- 3D Modeling & Stringless Paving
- Roller Compacted Concrete



Innovation Philosophy

- Be willing to take risks
- Management support is critical
- Seek out new ideas and be willing to pilot them in our state
(Our approach to VE)



Innovation Philosophy

- Be known as an innovator and new ideas will come to you
- Discuss products and ideas with industry
- Be open to opposing views and don't be afraid of conflict



Innovation Philosophy

- Communicate with DOT employees
- Get FHWA involved from the start
- Network nationally
- Engage in research with universities



Future of Innovation

“Future of contract administration and material testing lies with technology.”





Thank You

David Ahlvers

Missouri Department of Transportation

David.Ahlvers@modot.mo.gov

(573)751-7455